

2402

brought about a marked improvement. In cases of long-standing fibro-cavernous tb, a transient improvement of the general condition was observed; there was no radiological improvement. Follow-up revealed deterioration in 2 cases out of the 6 treated. In 2 cases, thin-walled cyst-like cavities appeared instead of infiltrative excavating lesions. In 7 of 11 cases examined by the Groër allergometric method, tuberculin pleoaesthetic reactions appeared (unfavourable state of allergy). In 4 cases tb bacilli in great quantities appeared for a short period of time in the sputum. In 5 cases, transient deterioration of general condition was observed within 2 to 5 weeks after the treatment had been completed.

(XV, 7*)

EXCERPTA MEDICA Sec 15 Vol 12/9 Chest Dise. Sept 59

2402. CORTISONE IN THE TREATMENT OF LATE POST-PRIMARY FORMS OF PULMONARY TB IN CHILDREN - Kortyzon w leczeniu późnych postaci pierwotnych postaci gruźlicy płuc u dzieci - Halikowski B., Paszkowska A. and Stec-Kryszkiewiczowa K. Oddz. Dziecięcego Inst. Gruźlicy i Sanat. Przeciwgruźliczego, Otwocku - GRUŹLICA 1959, 27/2 (125-135) Tables 1 illus. 11

Fifteen cases of late, post-primary forms of pulmonary tb in children (adult type of tb) treated with cortisone are reported. Hydrocortisone acetate was used. It was observed that the administration of cortisone has a beneficial influence on the acute body reactions - fever, dyspnoea, accelerated ESR - and on the regression of soft opacities on radiograms. In recent cases with an acute course, particularly those with 'snowstorm' radiological spreads, the administration of cortisone

HALIKOWSKI, B.

EXCERPTA MEDICA Sec.7 Vol.12/4 Paediatrics April 58

966. PERCUTANEOUS APPLICATION OF TRAFURIL (TRAFURIL TEST) -
Die perkutane Trafurilreaktion (Trafuril-test) - Halikowski B. Pad.
Abt., Tuberkulose-Forsch.-Inst., Warschau; Marchlewski Sanat. für Tuber-
kulöse Kinder, Otwock; Neurochir. Klin., Med. Akad., Warschau - ANN.
PAEDIAT. (Basel) 1957, 189/2 (65-79)

The symptoms which appear upon percutaneous application are analysed clinically, pharmacodynamically and neurologically. Two phases can be differentiated, the first phase depending on a slight stimulation of the sympathetic nerve endings (paling and goose-flesh of the skin). In the second phase there is an inhibition of the sympathetic nerve endings resulting in a paralysis of the melanophores and a vasodilatation which causes possible browning of the skin and erythema. There is also a secondary histamine reaction, characterized by the formation of wheals and the appearance of a reflectory red area. The type of reaction depends upon the functional state of the topographical localization of the piece of skin tested, and also on the functional state of the CNS. A pathological type of trafuril reaction can also be differentiated. It is characterized by a lengthening and strengthening of the first phase (sympatheticomimetic stimulation) and also by dissociation changes in the latent time, depending upon the topographic zones. The pathological deviations of the trafuril reaction make it possible to develop this reaction as a diagnostic test. It has proved valuable in the diagnosis of initial brain damage and its estimation in tb encephalomeningitis. (VII, 8)

HALIKOWSKI, Bogusław (Otwock, ul. Korczka 5, Sanatorium im J. Marchlewskiego)

Kidney tubule insufficiency in tuberculous meningoencephalitis in children & its significance in its prognosis. *Pediat. polska* 32 no.11: 1263-1264 Nov 57.

1. Z Oddziału Dziecięcego Instytutu Gruzlicy w Sanatorium im. J. Marchlewskiego w Otwocku Kierownik: prof. dr med. Fr. Groer.

(TUBERCULOSIS, MENINGEAL, in inf. & child
tuberc, meningoencephalitis with kidney tubule insuff.,
progn. (Pol))

(ACUTE RENAL FAILURE, in inf. & child
tubule insuff. in tuberc. meningoencephalitis, progn. (Pol))

HALIKOWSKI, Boguslaw; KRUKOWSKA, Helana

Instruction on the prevention and treatment of tuberculosis in
children with antimicrobial drugs. Gruzlica 25 no.5:419-422 May 57.
(TUBERCULOSIS, in inf. & child
prev. & ther. (Pol))

HALIKOWSKI, Boguslaw (Otwock, Sanatorium im. Marchlewskiego)

Trafuril reaction. Gruzlica 25 no.5:379-396 May 57.

1. Z Oddzialu Dzieciecego Instytutu Gruzlicy w sanatorium im.
J. Marchlewskiego w Otwocku Kierownik Oddzialu: prof. dr F. Groer
Dyrektor Instytutu: prof. dr J. Misiewicz oraz z Kliniki Neurochirurgicznej
Akademii Medycznej w Warszawie Kierownik: prof. dr J. Chorobski,

(CENTRAL NERVOUS SYSTEM, dis.

diag., tetrahydrofurfuryl nicotinate skin reaction (Pol))

(SKIN, eff. of drugs on

tetrahydrofurfuryl nicotinate reaction, diag. of CNS
dis. (Pol))

(FURAN DERIVATIVES, eff.

tetrahydrofurfuryl nicotinate skin reaction, diag. of
CNS dis. (Pol))

(NICOTINIC ACID, related cpds.
same)

HALIKOWSKI, Boguslaw

Discussion on the article, Acute gastric and duodenal ulcers
and their clinical significance. *Pediat. polska* 31 no.8:
933-938 Aug 56.

1. Otwock, Korczaka 5, Sanatorium im. J. Marchlewskiego.
(PEPTIC ULCER, in infant and child,
(Pol))

2309

excretion usually diminished, but NH_4 excretion is increased. Cl excretion is usually decreased, while bicarbonate is often and phosphate sometimes increased. The sediment does not show anything pathological. In the plasma a correlated hyponatraemia and hypochloreaemia are found; bicarbonate (alkali reserve) is usually increased but may be decreased. There is a shift of chloride into the erythrocytes. These findings, in addition to the decrease of gastric HCl in these cases, are similar to the effects of carbonic anhydrase inhibition. The absence of the natriuric effect is probably due to a primary shift of Na into the cellular compartment.

Halikowski - Otwock (XX,7,8,15)

EXCERPTA MEDICA Sec 15 Vol. 10/9 Chest Diseases Sept 57

2309. HALIKOWSKI B., KALINOWSKA B., NAWARECKI B., SIKORSKI S. and WNUK A. Odd. Ped. Inst. Gruzlicy w Sanat. im J. Marchlewskiego, Otwock.
*Zaburzenia czynności anhidrazy węglanowej w nerkach w 'mózgowym' przebiegu gruźliczego zapalenia opon i mózgu u dzieci. Doniesienie tymczasowe. Disturbances of renal carbonic anhydrase activity during the 'encephalitic' stage of tb encephalomeningitis in children. Preliminary note PEDIAT. POL. 1956, 31/8 (859-865)

During the treatment of tb meningitis in children a correlation is seen between the encephalitic manifestations and the pH of the urine (neutral or alkaline reaction). There is usually a tendency to iso- or hyposthenuria; Na excretion is often and K

EXCERPTA MEDICA Sec 8 Vol 9/11 Neurology Nov 56

4772. HALIKOWSKI B. Odd. Ped., Inst. Gruźlicy, Sanat. im J. Marchlewskiego w Otwock. *Zaburzenia oddechowe w przebiegu gruźliczego zapalenia mózgu i opon u dzieci.* Respiratory disorders in the course of tuberculous encephalitis and meningitis in children PEDIAT. POL. 1956, 31/1 (9-23) Tables 2

These disorders can be divided into 2 groups: (1) due to changes in general metabolism of the organism; these are usually secondary to general oxygen deficiency and are characterized by changes in frequency, depth and rhythm of respiration; (2) due to disorders of central nervous regulation; these result primarily from cerebral lesions and are characterized by disturbances of the course and rhythm of single respirations and of the symmetry of thoracic movements. Both types may be but are not necessarily associated with transudative and exudative phenomena in the lungs. The prognosis of the secondary 'metabolic' type of disorders is better than that of the 2nd type. The pathogenesis and the treatment (according to the individual case) are discussed. (XX, 7, 8)

HALIKOWSKI, Boguslaw

Pathogenesis and course of tuberculous encephalitis and meningitis.
I. Clinical types observed during the course of the disease treated
with isonicotinic acid hydrazide. Gruzlica 22 no.7:461-480 July 54.

1. Z Oddzialu Pediatrycznego Instytutu Gruzlicy w Sanatorium im.
J. Marchlewskiego w Otwocku. Kierownik: prof. dr F. Groer.

(BRAIN, diseases,
tuberc., in child., ther., isoniazid & streptomycin,
clin. aspects)

(TUBERCULOSIS,
of brain in child., ther., isoniazid & streptomycin,
clin. aspects)

(TUBERCULOSIS, MENINGEAL, in infant and child,
ther., isoniazid & streptomycin, clin. aspects)

(STREPTOMYCIN, therapeutic use,
tuberc., cerebral & meningeal, in child.)

(NICOTINIC ACID ISOMERS, therapeutic use,
isoniazid in meningeal & cerebral tuberc.)

HALIKOWSKI, Boguslaw

GROER, Franciszek; HALIKOWSKI, Boguslaw

New concepts of the mechanism of inhibition of reactivity of the
organism in certain viral diseases with special reference to measles.
Pediat. pol 29 no.1:35-39 Ja '54. (EEAL 3:8)

1. Z Instytutu Matki i Dziecka w Warszawie, Kierownik: prof. dr
med. Fr. Groer i z Instytutu Gruzlicy w Warszawie, Kierownik: prof.
dr med. J. Misiewicz. (Otrzymano: 9.X.1953)
(MEASLES, physiology,
*inhib. of reactivity of organism)

HALIKOWSKI, Boguslaw; GARWICZ, Stanislaw

Mass surveys and genetic studies applied to clinical and epidemiological aspects of diseases. Pol. tyg. lek. 19 no. 27:1042-1046 6 Jan 64

1. Z II Kliniki Chorob Dzieci Akademii Medycznej w Krakowie;
kierownik: prof. dr. med. B. Halikowski.

HALIKOWSKI, B.

Significance of discovery of ACTH in general physiopathology. *Pediat. polska* 28 no.4:443-448 Apr 1953. (CML 25:1)

1. Of the Pediatric Department (Head--Prof. F. Groer, M.D.) of the Institute of Tuberculosis in Otwook.

HALIKOWSKI, B.

Significance of streptomycin in the treatment of tuberculosis in children:
streptomycin in pulmonary tuberculosis in infants. Gruzlica 21 no.3:233-
242 Mar 1953. (CLML 24:5)

1. Of the Pediatric Department of the Institute of Tuberculosis in the
Sanatorium imienia Marchlewski in Otwock.

GROER, F.; KRUKOWSKA, H.; HALIKOWSKI, B.; PASZKOWSKA, A.; PIECZONKA, B.

Concept of bronchial scrofuloid; preliminary communication. Gruzlica,
Warsz. 19 no.6:734-746 Nov-Dec 51. (CJML 21:5)

1. Of the Pediatric Department of the Institute of Tuberculosis located
in Sanatorium imienia Marchlewski of the National Complex of Tuber-
culosis Sanatoria in Otwock.

HALIKOWSKI, B.

Experiments with trafuril. Gruzlica, Warszawa 18 no.2:209-212 Apr-June 1950. (CLML 20:7)

1. Of the Pediatric Department of the National Institute of Tuberculosis, Otwock.

KUNCOVA, Z.; HALIKOVA, M.; MULLEROVA, A.; PAVLASKOVA, I.; SOMMROVA, V.;
TROCHOVA, K.

Experiences with the treatment of asthmatic children. Cesk. pediat.
15 no.9:782-784 S '60.

1. Detskie oddeleni Fakultni polikliniky v Praze 2, prednostka
MUDr. Zdenka Kuncova.
(ASTHMA in infancy & childhood)

HALIK, Richard; KODYM, Miroslav

A possibility of applying mathematical methods for the effective use of raw materials in the leather industry. Kozarstvi 14 no.1:2-12 Ja'64.

1. Statni vyzkumny ustav technickoorganizacni, Praha.

Country : CZECHOSLOVAKIA
 Category : Microbiology-Microbes pathogenic for Man and Animal
 Abs. Jour : Ref Zhur - Biol., No.19, 1958, 65245
 Author : Balik, O., Pruhonier, Z., Zastava, M.
 Institut. : -
 Title : New Reservoirs of *L. grippotyphosa*
 Orig. Pub. : Ceskosl. Epidemiol., 48kroniol., Immunol., 1957,
 Vol.6, No.3, 301-104
 Abstract : In northwestern Czechoslovakia *Leptospira* were isolated from the kidneys not only of the field mouse *Microtus arvalis* but also from the kidneys of *M. agrestis*, *Microthionomys glareolus*, *Apodemus flavicollis*, *Apodemus sylvaticus* and *Rattus musculus*. All isolated strains were determined as *Leptospira grippotyphosa*. Discovery of the latter in *Rattus musculus* compels the author to the fact that infection with these *Leptospira* may occur not only in field mice but also under domestic conditions. The same pertains to the above-mentioned species of mouse-like rodents, which migrate in the winter to human habitation sites. - Z.A.Yakubovich
 Card: 1/1

HALIK, L.

Copulation of the water mite Brachypoda varicolor
(Mull.). p. 464.

BIOLOGIA. (Slovenská akadémia vied) Bratislava CZECHOSLOVAKIA

Vol. 10, No. 4, 1955

SOURCE: East European Accessions List (EEAL) Library
of Congress. Vol. 5, No. 1, January, 1956.

HALLEY J.

- [illegible]

HALIK, Jaroslav, podplukovník, MUDr., ČJc.

Technic for administration of radioactive material to experimental animals. Voj. zdrav. listy 34 no.2:83-84 Ap '65

1. VUHEM, Praha-Střekovice.

HALIK, Jaroslav

A method for determining surface contamination with luminescent radioactive dyes. Pracovní lek. 13 no.3:131-133 Ap '61.

1. VUHEM, Praha-Stresovice.

(RADIOACTIVITY) (LUMINESCENCE)

CZECHOSLOVAKIA / Microbiology. General Microbiology. F-1
Effect of External Factors.

Abs Jour: Ref Zhur-Biol., No 16, 1958, 71967.

Abstract: resistant, Staphylococcus aureus and Micrococcus pyogenes. Of the media examined, the most favorable for the survival of bacteria proved to be a 5% solution of glucose; the least favorable, a 5% solution of NaCl. -- From the authors' resume.

Card 2/2

CZECHOSLOVAKIA / Microbiology. General Microbiology. F-1
Effect of External Factors.

Abs Jour: Ref Zhur-Biol., No 16, 1958, 71967.

Author : Halik, Juraj., Toufar, Jiri.

Inst : Not given.

Title : Investigation of Areas Fatal to Bacteria at Temperatures Below Zero.

Orig Pub: Biologia, 1957, 12, No 8, 586-596.

Abstract: The survival capacity of 10 bacterial cultures was compared after freezing and storing at - 18° after repeated freezing and thawing, and after freezing at 27° in various media. The bacteria quickly died in frozen suspensions. The most sensitive to the effect of low temperatures proved to be Pseudomonas aeruginosa; the most

Card 1/2

HALIK, Jaroslav (Praha 5, Pod Drinopolem 7.)

Problem of health protection. Cas. lek. cesk. 98 no.9:257-261 27 Feb 59.

1. Ustredni vojenske nemocnice, Praha-Stresovice.
(ATOMIC ENERGY
pub. health problems (Cz))

HALIK, Jaroslav, MUDr.,(Praha-Stresovice 1200)

Occupational hazards in radon spas. Prac. lek. 17 no.6:343-353
Ag '65.

1. Vojensky ustav hygieny epidemiologie a mikrobiologie v Praze.
Submitted June 15, 1964.

L 35374-66

ACC NR: AP6026846

SOURCE CODE: CZ/0060/66/000/002/0060/0061

AUTHOR: Halik, Jaroslav—Galik, Y. (Lieutenant colonel; Doctor of medicine; Candidate of sciences) ¹⁵_B

ORG: Military Institute of Hygiene, Epidemiology and Microbiology, Prague (Vojensky ustav hygieny, epidemiologie a mikrobiologie)

TITLE: Natural and artificial radon baths

SOURCE: Vojenske zdravotnicke listy, no. 2, 1966, 60-61

TOPIC TAGS: army medicine, radiation injury, radon

ABSTRACT: Two military installations are compared; both had about the same activity (3.6 - 7.2 . 10⁻⁸ Ci/l of water), but one was of natural and the other of artificial origin. In artificial baths the products of radon decomposition are deposited on dust particles, and become dangerous to segmental and lobal bronchi. The workers at such baths must be protected against radiation. It is necessary to provide proper ventilation schemes where artificial radon baths are used. Orig. art. has: 1 figure and 2 tables.

JPRS: 36,8347

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 003 / OTH REF: 001

Card 1/1 *LH*

UDC: 615.838-085.849.7

0976

2601

ADAM, E.; STANINEC, M.; KUBATOVA, E.; HALIK, J.; MORAVA, V.; MARES, I.;
ZAVADOVA, H.; DREVO, M.

Vaccination against measles with live vaccine in a pediatric
department. Cas. lek. cesk. 104 no.2:38-46 15 Ja '65

1. Ustav ser a ockovacich latek, Praha (reditel - MUDr. J. Malek);
Infecni klinika, Praha-Bulovka (prednosta - prof. dr. J. Prochazka,
DrSc.) a Detska psychiatricka lecebna, Oparany (reditel - MUDr.
V. Vojtik).

HALIK, J.

Contribution to the determination of the radiotoxicity of luminous radioactive paints. Prac. lek 15 no.10:419-422 D '63.

*

Disappearance of Bacteria
CZECHOSLOVAKIA/Food Processing Industry.

H.

Abs Jour : Ref Zhur - Khimiya, No 19, 1958, 65917

Author : Halik, J., Toufar, J.

Inst :

Title : Disappearance of Bacteria in Meat During Freezing.

Orig Pub : Veterin. casop., 1957, 6, No 6, 521-527.

Abstract : Investigation of artificially infect with 2 types of microorganisms of beef meat frozen at -18° , showed that in the course of 6 weeks during storage at this temperature, the total quantity of live microorganisms decrease and comprise $< 1\%$ of their original quantity. The cocci gave the most resistance (Micrococcus pyogenes and Micrococcus epidermidis); Proteus had the least stability. The rate of disappearance of the microorganisms on the surface of the meat samples is greater than on the inside.
Author's resume.

Card 1/1

HALIGOWSKI, Jan, mgr.,inz.; ROMANOWICZ, Edward, mgr.,inz.

Deformation of rock, earth surface and shaft pipe due to
digging cal from the shaft pillar. Przegl gorn 18 no.1:
37-46 '62.

HALICZ, Z.

"Rationalization of the Coniometric System." P. 19, (PRZEMIAŁ
GÓDEZYJNY, Vol. 10, No. 1, Jan. 1954, Warszawa, Poland.)

SO: Monthly List of East European Accessions, (EAL), 16,
Vol. 3, No. 12, Dec. 1954, Uncl.

HALICZ, Benedykt; LEOPOLD, Antoni

Comparison of certain characteristics of several varieties
of *Lupinus luteus* L. Nauki matematyczne przyrod Lodz no.12:107-120
'62.

1. Katedra Ewolucjonizmu, Uniwersytet, Lodz.

✱

HALICZ, Benedykt

"Lichenes" by Jozef Motyka. Vol. 5, Pts. 1 and 2. Reviewed by
Benedykt Halicz. Kosmos biol 11 no.6:611-612 '62.

HALICZ, B.; MACIEJEWSKA-POTAPCZYKOWA, W.; ZALESKA, K.

Research on the mechanism of ultrasound action. Pt. 1.
Acta soc botan Pol 33 no.2;285-296 '64.

1. Department of Evolutionism and Department of Plant
Physiology, University, Lodz.

HALICZ, B.; GUBANSKI, M.

Studies on the mechanism of the action of ultrasonic energy
on plants. Pt.2. Acta soc botan Pol 33 no.3:563-568 '64.

1. Department of Evolutionism and Department of Plant Physiology
University, Lodz

HALICKI, Stefan

Increase of machinery export still an important task. Przegl
mech 22 no.11:327-328 10 Je '63.

HALICKI, BRONISLAW

DECEASED

1964

C. 63

Geology
Tectonics

WILKINSON, Zofia
WILKINSON (in caps); Given Names

Country: Poland

Academic Degrees:

Hematological Division, Wolsztyński Specialized H. H. H.
Hospital: (Wojewódzki Szpital Specjalistyczny), Katowice; Division of
Hospital: B. KUROLOZAK, Dr med; Division Coordinator: S. KOSMID. H. H.
Source: Warsaw, Przegląd Lekarski, No 4, 1961, pp. 180-182

Topic: "The Behavior of the Blood Serum Proteins in Addison-Biermer
Disease."

HALICKA, Halina, mgr inz.

Water and sewage problems in light industry. Gosp wozna 23
no. 8/9:326-328 Ag-S '63.

1. Vice Director, Department of Engineering and Capital
Investments, Ministry of Light Industry, Warsaw.

NEMETS, P. B.[Nemets', P. B.]; GALYAMA, D. V.[Haliama, D. V.]

Technical microbiology and biochemistry in the Chemistry Faculty
of the Slovak Technical College in Bratislava. Mikrobiol. zhur.
24 no.1:52-56 '62. (MIRA 15:7)

(BRATISLAVA--MICROBIOLOGY)
(BRATISLAVA--BIOCHEMISTRY)

HALICKA, A.

"The Geological Museum in the Face of Resolutions of the 9th Plenary Session." p.25
(PRZEGLAD GEOLOGICZNY No. 1/2, Jan./Feb. 1954 Warszawa, Poland)

SO: Monthly List of East European Accessions, LC, Vol. 3, no. 5, May 1954/Uncl.

HALFTER, Piotr

Category : POLAND/General Problems - Problems of Teaching

A-3

Abs Jour : Ref Zhur - Fizika, No 2, 1957, No 27/6

Author : Halfter, Piotr

Title : Polytechnic Education

Orig Pub : Fiz. szkole, 1956, 2, No 4, 223-233

Abstract : No abstract

Card : 1/1

HALFTER, P.

"How to make a cheap electroscope. p. 246." (FIZYKA I CHEMIA), Vol. 6, no. 4, July/Aug. 1953, Warszawa, Poland

So: Monthly List of East European Accessions L. C. Vol. 2, No. 11, Nov. 1953, Uncl.

HALFTER, P., BURAS, B.

"The August conferences. p. 193." (FIZYKA I CHEMIA), Vol. 6, no. 4, July/Aug. 1953, Warszawa, Poland

So: Monthly List of East European Accessions L. C. Vol. 2, No. 11, Nov. 1953, Uncl.

HALFAR, W

HALFAR, W.; PECENIK, J.

"Timber, a Problem of Steady Interest in the Building Industry," P. 221.
(PRZEGLAD BUDOWLANY, Vol. 26, No. 7, July 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4,
No. 1, Jan. 1955 Uncl.

HALEVY, Simon

LITARCZEK, George; HALEVY, Simon

General anesthesia with pharmacodynamic blocking of the autonomic nervous system. Probl. ter., Bucur. 4:207-213 1956.

1. Institutul de terapeutica al Academiei R.P.R., Sectia de Chirurgie, Spitalul Coltea.

(ANESTHESIA, REGIONAL

nerve block in commissurotomy, abdom. surg. & pneumonectomy, with general anesth.)

(COMMISSUROTOMY

anesth., combined general anesth. & nerve block)

(ABDOMEN, surgery

(SAME)

(LUNGS, surgery

lobectomy & pneumonectomy, combined general anesth. & nerve block)

DZHEROTA, D. [Gerota, D.]; DIMITRIU, K. [Dimitriu, C.]; KHALEVI, S.
[Halevi, S.]; NIKULIU, G. [Niculiu, G.]; TEODORIU, M.

Acute postoperative insufficiency of the adrenal glands. Vest.
khir. 89 no.7:58-66 J1 '62. (MIRA 15:8)

1. Iz 1-y khirurgicheskoy kliniki (dir. - prof. Voynya Mari-
nesku [Voinea Marinescu]) fakul'teta po usovershenstvovaniya
vrachey (Bukharest).
(ADRENAL GLANDS) (OPERATIONS, SURGICAL)

ACCESSION NR: AP4042033

(1 = 2). Strong and moderate geomagnetic storms are caused by flares accompanied by radio outbursts. Geomagnetic disturbances characterized by the three-hour index $K = 5$ follow flares without outbursts, while storms characterized by the indices 7 and 8 follow flares associated with outbursts. Active solar regions emitting corpuscular streams may cause geomagnetic disturbances when they pass through the central meridian.

ASSOCIATION: Geophysical Institute, Czechoslovak Academy of Sciences, Prague

SUBMITTED: 19Dec63

SUB CODE: AA

NO REF SOV: 010

ENCL: 00

OTHER: 045

Card 2/2

ACCESSION NR: AP4042033

Z/0023/64/000/003/0255/0267

AUTHOR: Halenka, Jaroslav

TITLE: On the character of the connection between geomagnetic activity and chromospheric flares

SOURCE: Studia geophysica et geodaetica, no. 3, 1964, 255-267

TOPIC TAGS: geomagnetic activity, chromospheric flare, magnetic storm, geoactivity, central meridian, solid angle, magnetic index, radio outburst, corpuscular stream

ABSTRACT: A general review of investigations associated with geomagnetic activity and chromospheric flares is given, and an analysis of results reported in previous papers proposing flares as sources of magnetic storms is made. This analysis indicates that the geoactivity caused by flares of maximum importance $i = 3$ decreases rapidly with increasing distance of the flare from the central meridian. Distinct geoactivity of a flare is probably possible within a solid angle of 9° on both sides of the central meridian. The same conclusions probably hold good for flares of lower importance

Card 1/2

25466

Geomagnetic activity ...

Z/023/61/000/003/004/005
D006/D102

tors of conditions favoring the emission of corpuscular radiation which causes increased geomagnetic activity. Appreciation is extended to Candidate of Sciences M. Kopecký; Doctor B. Bednářová; and E. Fortlíková. There are 8 figures, 2 tables and 13 references: 6 Soviet-bloc and 7 non-Soviet-bloc. The references to the four most recent English-language publications read as follows: J. Halenka, The Connection between Chromospheric Flares and Geomagnetic Activity in the IGY. *Studia geoph. et geod.*, 4 (1960), 361-377; J. Bartels, A. Romaña, J. Veldkamp, Geomagnetic Indices K and C. *IAGA Bull.* No. 12j, 114-119, Den Haag, 1957; No. 12k, 146-151, Amsterdam 1959; The Sun. Ed. G. P. Kuiper. The Univ. of Chicago Press, Chicago, 1954, 386-389; H. W. Newton, W. Jackson, Observations of Solar Corpuscular Radiation, VIIème rapport de la com.p. l'étude des relations entre les phénomènes solaires et terrestres. Conseil. Int. des Un. Sci., Paris 1951, 113. (Technical Editor: M. Kopecký).

ASSOCIATION: Geophysical Institute, Czechoslovak Academy of Sciences, Prague.

SUBMITTED: November 29, 1960

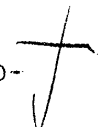
Card 4/4

25466

Z/023/61/000/003/004/005
D006/D102

Geomagnetic activity ...

is not necessarily connected directly with the preceding flare. 2) The activation of the chromospheric activity, manifesting itself among others in the occurrence of a large flare in an active region remote from the central meridian, is not necessarily confined to this active region or its immediate vicinity, but can appear more or less simultaneously even on larger parts of the solar surface. If this activation is apparent also in active regions existing on the central meridian, these regions can display increased geomagnetic activity with which the flare in question is not directly connected. The first conception can be considered to be proved by the results described in this paper. These results also provide a substantiation for the second conception which, however, has to be verified astronomically also. On the basis of these conceptions, a much smaller range of time intervals between flares and the following geomagnetic storms can be assumed. It is also obvious that the solid angle, in which the corpuscular streams are emitted during large flares, is relatively small. The results also permit the conclusion that chromospheric flares should be understood as time-space indica-



Card 3/4

25466

Z/023/61/000/003/004/005
D006/D102

Geomagnetic activity ...

dependence of the geomagnetic activity on the flare importance and its distance from the central meridian, as well as to the time interval between the flares and the following geomagnetic storms. It was found that the geoactivity of flares depends very markedly on the distance of the flares from the central meridian and on their importance. Direct geomagnetic activity only appears after flares with an intensity of $i=3$ and $3+$ within the interval 9° E to 9° W. Summation-curve investigations of the time intervals between the commencement of the flares and the commencement of the following increased geomagnetic activities seem to indicate that, on the average, the time intervals increase with decreasing flare importance. The following conceptions are proposed to explain some of the dependences found: 1) Flare activity in the active region, or other source of geoactivity of the active region in which a flare occurred, has a longer duration during which the active region may pass through the central meridian. If there are favorable conditions for the emission and direction of a corpuscular stream in this critical position, this active region may exhibit increased geomagnetic activity which

Card 2/4

25466

Z/023/61/000/003/004/005
D006/D1023,1550

AUTHOR: Halenka, Jaroslav

TITLE: Geomagnetic activity after large chromospheric flares

PERIODICAL: Studia geophysica et geodaetica, no. 3, 1961, 237-255

TEXT: A statistical investigation was made of the changes of geomagnetic activity expressed by the index A_p , as defined by J. Bartels and J. Veldkamp (Ref. 7: Geomagnetic Indices K and C, 1951, IATME Bull. No. 12f, Washington 1952), and of the geomagnetic storms following all flares with an importance $\geq 2+$ which were observed during the period of 1937-1956. The data on flares were taken from the catalogue compiled by L. Fritzová, M. Kopecký, and Z. Švestka (Ref. 6: Catalogue of Great Chromospheric Flares and their Terrestrial Consequences, Astr. Inst. Czechosl. Acad. Sci. Prague and Ondřejov, Publ. No. 35, 16-63). Out of a total of 438 flares listed in this catalogue for the period of 1859-1956, about 84% contained all data necessary for this type of investigation, all of which occurred during 1937-1956. Special attention was given to the

Card 1/4

89267

Z/023/60/000/004/003/004
A224/A026

The Connection Between Chromospheric Flares and Geomagnetic Activity in the IGY

third day after the occurrence of flares. 2) The flare geoactivity diminishes with the distance from the central meridian, and becomes problematic beyond 30° . 3) The course of geomagnetic activity after flares proves the negative effect of some solar regions upon the geomagnetic activity. 4) It seems that there is neither direct nor indirect relation between a definite component of the geomagnetic activity and the flares, even during maximum solar activity. The author thanks Dr. B. Bednářová and E. Bortlíková for their help in the elaboration of this paper. The paper was reviewed by M. Kopecký. There are 10 figures, 2 tables, and 11 references: 8 English, 1 Czech, 1 German, and 1 Soviet.

ASSOCIATION: Geophysical Institute, Czechoslovak Academy of Sciences, Boční 11,
Praha 4 - Sporišov

SUBMITTED: February 16, 1960

Card 2/2

89267

Z/023/60/000/004/003/004
A224/A026

3,9100

AUTHOR: Halenka, Jaroslav

TITLE: The Connection Between Chromospheric Flares and Geomagnetic Activity
in the IGY

PERIODICAL: Studia Geophysica et Geodaetica, 1960, No. 4, pp. 361 - 377

TEXT: The paper is dedicated to University Professor Dr. Bedřich Šalamon on his 80th birthday. It deals with the investigation of the relation between the chromospheric flares and the geomagnetic activity during the IGY, without taking into account other solar activities. The investigation is based on statistical data collected by the Fraunhofer Institute in Freiburg and by the Soviet solar service, on preliminary records of flares issued by the Observatory of the Astronomical Institute of the Czechoslovak Academy of Sciences in Ondřejov (Ref. 4), and on the latest information supplied by L. Krivský from the Observatory in Ondřejov. Absolute and relative geomagnetic activities are discussed, dependence of the geoactivity of flares on the distance from the central meridian, occurrence of flares before geomagnetic activities, and sudden commencements of magnetic storms. Following conclusions are derived: 1) An increase of geomagnetic activity takes place on the

Card 1/2

Tenec-
relations were

Card 1/2

24699

Contribution to the problem ...

Z/023/60/000/001/002/006
A026/A126

complex of data as well as for some special cases. The authors used material of the year 1958: the relative figures of the sun spots by M. Walsmeier (Ref. 2. Provisional Sunspot-Numbers, J. Geophys. Res., v. 63, 1958, 417, 553, 830), and the information on chromospherical eruptions and active regions in the daily solar maps (Ref. 3: Solnechniye daniye 1958 g., IZD AN SSSR, Moskva 1958, 1959 Leningrad) and (Ref. 4: Map of the Sun. Fraunhofer Inst., Freiburg im Breisgau 1958). They came to the conclusion that they have found some possibilities which might lead to results - if further elaborated with the aid of more complex material - which in turn can bring about a clarification of the connection between the pulsations of the electromagnetic field of the earth and the solar activity. Reviewers: A. Janáčková, M. Kopecký. There are 4 sets of figures and 5 references: 2 Soviet-bloc and 3 non-Soviet-bloc.

ASSOCIATION: Geophysical Institute, ČAS, Prague

SUBMITTED: August 17, 1959

Card 2/2

HALENKA, Jaroslav

On the character of the connection between geomagnetic activity
and chromospheric flares. *Studia geophys* 8 no. 3:255-267 '64.

1. Institute of Geophysics, Czechoslovak Academy of Sciences,
Prague 4- Sporilov, Bozni II.

HALEKA, J.

New solar observation station. In English. p. 294.

STUDIA GEOPHYSICA ET GEODAEITICA. (Ceskoslovenska akademie vol. Geofyzikalni ustav)
Praha, Czechoslovakia, Vol. 3, no. 3, 1959.

Monthly List of East European Accessions (LEAI), LC, Vol. 3, no. 11, Nov. 1959
uncl.

BALENER, J.

A check on eruption efficiency from a geomagnetic point of view by means of
radio frequency outbursts. p. 239.
(GEOFYZIKALNI SBORNIK, No. 20/35, 1955 (published 1956), Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (EEL) LC, Vol. 4, No. 12, Dec 1957. Uncl.

HALENA, V.

"Classification of coal beds and socalled inflammable slates in the northern part of the Permocarboniferous synclinorium in the Riesengebirge foothills."

p. 240 (Casopis Pro Mineralogii A Geologh. Vol. 2 no. 3, 1957, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7. No. 2,
February 1958

Halen, Vratislav

Vratislav ~~HALEN~~ (Prague), "Bestimmung der Porigkeit von Emails," Silikat Technik, Vol. 7, No. 4, Berlin, April 1956, Unclassified.

Author is an Associate of the Research Institute for the Protection of Material, Prague
(Rough translation of title: Measurement of the Porosity of Enamels)

HALEK, Vitezslav, inz., CSc.; NOVAK, Miroslav, promovany matematik

Digital computers in water conservation management. Vodni hosp
13 no.6:205-209 '63.

1. Vedecko-vyzkumny ustav hydrotechnicky, Laborator pocitacich
stroju, Vysoke uceni technicke, Brno.

HALEK, Vitezslav

Symposium on parasitosis of pastures. Vestnik CSAZV 8 no.4:219-221
'61. (EEAI 10:6)

(Pastures)

(Parasites)

HALEK, Vitezslav

A meeting of the Scientific Society of Zootechnicians and Veterinarians.
Vestnik CSAZV 8 no.9:475 '60. (EEAI 10:3)
(Czechoslovakia--Veterinary medicine)

HALEK, Vitezslav

Teh tasks of the Veterinary Section of the Czechoslovak Academy of
Agricultural Sciences. Vestnik CSAZV 7 no.10:511-513 '60. (EEAI 10:3)
(Czechoslovakia--Veterinary medicine)

HALEK, Vitezslav

Symposium on encephalomyelitis and rhinitis of swine. Vestnik CSAZV
7 no.10:501-505 '60. (EEAI 10:3)
(Swine) (Encephalomyelitis) (Rhinitis)

HALEK, Vitezslav

1959 activities of the Scientific Society of Czechoslovak
Zootechnicians and Veterinarians affiliated with the Czechoslovak
Academy of Agricultural Sciences. Vestnik CSAZV 7 no.4:212-215
'60. (EEAI 9:9)

(Czechoslovakia--Veterinary medicine)
(Czechoslovakia--Animal industry)

HALEK, Vitezslav

Scientific discussion of brucellosis. Vestnik CSAZV 7 no.3:158-161
'60. (EEAI 9:7)

(Czechoslovakia--Brucellosis in cattle)
(Czechoslovakia--Cattle)

HALEK, Vitezslav

From the activity of the Section for Veterinary Medicine of the
Czechoslovak Academy of Agricultural Sciences, Vestnik CSAZV 6
no.12:653-655 '59. (EEA) 1:1

1. Ceskoslovenska akademie zemedelskych ved, Praha.
(Czechoslovakia--Veterinary medicine)

HALEN, V.

Importance of veterinary medicine for growth in the productivity of animal husbandry. p. 421. (VĚSTNIK, Vol. 4, No. 7/8, 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (SEAL) 40, Vol. 4, No. 12, Dec 1957. p. 1.

HALEK, V.

Cooperation between Polish and Czechoslovak sheep-breeding experts. p. 549.
-atr. Dying of fish in the reservoir of Stechovice Dam. p. 553.

VESTNIK. Vol. 3, no. 10, 1956

Praha, Czechoslovakia

SOURCE: East European List (EEAL) Library of
Congress, Vol. 6, No. 1, January 1957

Walek, V.

AGRICULTURE

Scientific results should serve practical agriculture. p.333

Vol. 5, no. 6, 1958

Monthly Index of East European Accessions (EMAI) LC, Vol. 8, No. 4, April 1959

GYALOKAY, Miklos, okleveles mernok; HALEK, Vaclav, a muszaki tudományok
kandidátusa; ZAJICSEK, Vaclav, dr. [Zajicek, Vaclav, dr.],
okleveles geologus

Solving the geohydrologic problems of area strips along the
rivers with special regard to the upper section of the Middle
Danube. Vizügyi közl no.4:496-518 '59.

1. Vyskumny Ustav Vodohospodarsky, Bratislava (for Gyalokay).
2. Vyskumny Ustav Vodohospodarsky, Praha (for Zajicek).
3. Vedecko Vyskumny Ustav Hydrotechnicky, Brno (for Halek).

HALEK, Vaclav, inz.

Power and water conservation solution of a cascade by digital computers. Vodni hosp 13 no.7:242-247 '63.

1. Vedecko-vyzkumny ustav hydrotechnicky, Vysoke uceni technicke, Brno.

HALEK, Václav, inz.

Calculation of water mains by means of electric analyzers.
Vodní hosp 13 no.3:89-93 '63.

1. Vedecko-výzkumný ústav hydrotechnický, Brno.

HALEK, Vaclav, inz., CSc.

Unsteady flow of underground water to a well system
and its solution by means of an automatic ~~computer~~,
electric analyzer and continuous analogs. Vodohosp cas
11 no.2:173-196 '63.

1. Vedecko-vyzkumny ustav hydrotechnicky, Vysoke uceni
technicke. Brno.

HALEK, Vaclav, inz., C.Sc.

Contribution to the methods of calculating the underground water level by a system of perfect wells. Inz stavby 11 no.2:46-53 F '63.

1. Vedecko-vyzkumny ustav hydrotechnicky, Vysoke uceni technicke, Brno.

HALEK, Václav, inz., C.Sc.

Circular inversion and its use in experimental examination of underground water flow in large areas. Vodohosp cas 11 no.1: 29-39 '63.

1. Vedecko-vyzkumny ustav hydrotechnicky pri Vysokem uceni technickem, Brno.

HALEK, Vaclav, inz., C.Sc.

Examination of the underground water flow by means of an electric grid analyzer. Tech prace 14 no.7:501-503 J1 '62.

1. Vedecko-vyzkumny ustav hydrotechnicky pri Vysokem uceni technickem, Brno.

HALEK, Vaclav, inz., C.Sc.

Methods of experimental solution of the effect of ground water table vapors. Vodohosp cas 10 no.2:127-141 '62.

1. Vedecko-vyzkumny ustav hydrotechnicky pri Vysokem uceni technickem, Brno.

HALEK, V.

Detection of the permeability of unsaturated soils by means of seepage tests.
p. 505.

VODNI HOSPODARSTVI. (Ministerstvo energetiky a vodniho hospodarstvi a
Vedecka technicka spolecnost pro vodni hospodarstvi) Praha, Czechoslovakia,
No. 11, Nov. 1959

Monthly List of East European Accession (EEAI), LC Vol. 9, no.2,
Feb. 1960.

Uncl.

HALEK, V.

Application of newer experimental methods for the solution of nonstationary movement of underground water in the Great Schutt island. p. 223

VOJENOSPODARSKY CASOPIS. (Slovenska akademia vied) Bratislava, Czechoslovakia.
Vol. 7, no. 3, 1959

Monthly List of East European Accessions (EEA1) LC, Vol. 8, No. 12, Dec. 1969
Uncl.

HALEK, V.

"Contribution to the theoretical and experimental solution of the non-stationary flow of ground water." p. 119.

VODOHOSPODARSKY CASOPIS. (Slovenska akademia vied). Bratislava, Czechoslovakia, Vol. 7, No. 2, 1959.

Monthly list of East European Accessions (EEA), LC, Vol. 8, No. 8, August 1959.
Uncla.

HALEK, V. CISTIN, J.

"Application of the membrane analogy in the hydrotechnical research on ground water." p.57

VODOHOSPODARSKY CASOPIS (Slovenska akademiavied) Bratislava, Czechoslovakia,
Vol. 7, no. 1, 1959

Monthly List of East European Accessions (CEA) LC, Vol. 8, No. 6, June 1959

Uncl.

HALEK, V.

~~GALEK, V.~~ [Halek, V.] (Brno); CHISHTIN, I. [Chystin, I.] (Brno)

Using the method of membrane analogy in solving a problem of
planned filtration. Prikl.mekh. 5 no.2:212-215 '59.

(MIRA 12:9)

1. Nauchno-issledovatel'skiy institut gidrotekhniki v Brno,
Chekhoslovakiya.

(Filters and filtration)

HALEK, V.

KRATOKHVIL, S. [Kratochvil, S.] (Brno); GALEK, V. [Halek, V.] (Brno)

Experimental solution of some harmonic problems by the method
of diaphragm analogy [with summary in English]. Inzh. mekh. 5
no.1:55-64 '59. (MIRA 12:6)

I.N.-d. institut gidrotekhniki v Brno (Czechoslovakia)
(Harmonic analysis)

HALEK, V.

HALEK, V. Approximate solutions of hydrodynamic problems of foundations by means of the method of progressive conformal representation. p. 40, Vol 5, no. 1, 1956 SOVETSKA VEDA: STAVENI CTVI Praha, Czechoslovakia

SOURCE: EAST EUROPEAN ACCESSIONS LIST (EEAL) VOL 6 NO 4 APRIL 1957

HALEK, V.

Prokes, V.; Rybnikar, J. Electric analogy in the hydrodynamics of ground water flowing under the foundations of buildings. p. 342. VODNI HOSPODARSTVI, Prague, Vol. 4, no. 11, Nov. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6, June 1956, Uncl.

HALEK, Antonin

New electromechanical filters for intermediate frequencies. Sdel
tech 13 no.2:71 F '65.

State of the development of electronic automatic computers in
Japan. Sdel tech 13 no.2:78

HALEK, Antonin

Conferences on the new automatic GI 400 computer. Antonin
8 no.2135 FICS.

HALEK, Antonin

Electronic elements recommended for the construction of industrial
electronic equipment. Automatizace 8 no.1:25 Ja '66.

HALEK, Antonin

How could the introduction of technical automation be accelerated? Elektrotechnik 19 no.8:227 Ag '64.

1. Chairman of the Automation Commission of the Central Council of the Czechoslovak Scientific and Technological Society.

HALEK, Antonin

New electronic apparatus and elements for automation. Automatizace
7 no. 7:194 J1 '64.

HALEK, A.

Lectures on automation in metal band rolling mills and steel plants by using digital computers. Automatizace 7 no. 6:1-3 Je '64.

March, 1955.

from the Conference of the Central Committee of the Union of
Engineering Section of the Czechoslovak Scientific and
Technological Society. (Hilbert, 1955, p. 100, 101, 102).

Do you have problems with technical information? (Hilbert, 1955).

1. Member of the Board of the Central Committee of the Union of
Engineering Section of the Czechoslovak Scientific and Techno-
logical Society; chairman of the Automation Commission of the
Central Council of the Czechoslovak Scientific and Technological
Society.

HALEK, Antonin

"Automation technology" by Z. Drab and others. Reviewed
by Antonin Halek. Slaboproudy obzor 25 no. 2: Supplement:
Literatura 25 no. 2: I9 '64.